



07-09-07

1Fw 1639

Attorney's Docket No.: 10280-140003 / DX/002 CIP 2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Ladner et al.
Serial No. : 10/045,674
Filed : October 25, 2001
Title : NOVEL METHODS OF CONSTRUCTING LIBRARIES COMPRISING
DISPLAYED AND/OR EXPRESSED MEMBERS OF A DIVERSE FAMILY OF
PEPTIDES, POLYPEPTIDES OR PROTEINS AND NOVEL LIBRARIES

Art Unit : 1639
Examiner : Jon D. Epperson
Conf. No. : 2458

MAIL STOP AMENDMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

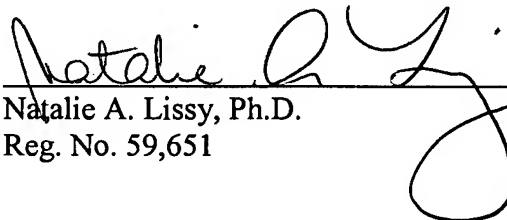
Applicants request consideration of the references listed on the attached PTO-1449 form. Under 37 C.F.R. § 1.98 (a)(2)(ii), only copies of foreign patent documents and/or non-patent literature are enclosed. Copies of any listed U.S. patents or U.S. patent application publications can be provided upon request. A copy of a communication (dated April 20, 2007) from a foreign patent office in a counterpart application is also enclosed.

This statement is being filed after a first Office action on the merits, but before receipt of a final Office action or a Notice of Allowance. A check in the amount of \$180 in payment of the late submission fee of §1.17(p) is enclosed. Please apply any additional charges or credits to Deposit Account No. 06-1050, referencing Attorney Docket No. 10280-140003.

Respectfully submitted,

Date:

July 6, 2007


Natalie A. Lissy, Ph.D.
Reg. No. 59,651

Fish & Richardson P.C.
225 Franklin Street
Boston, MA 02110
Telephone: (617) 542-5070
Facsimile: (617) 542-8906

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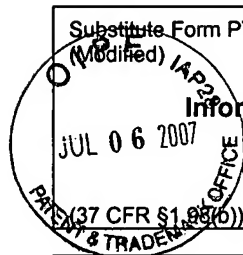
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July 6, 2007
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Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10280-140003	Application No. 10/045,674
Information Disclosure Statement by Applicant (Use several sheets if necessary)		Applicant Ladner et al.	
		Filing Date October 25, 2001	Group Art Unit 1639



U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	5,565,332	10/15/1996	Hoogenboom et al.			
	AB	5,618,920	4/8/1997	Robinson et al.			
	AC	5,658,727	8/19/1997	Barbas et. al.			
	AD	5,723,323	3/3/1998	Kauffman et al.			
	AE	5,733,743	3/31/1998	Johnson et al.			
	AF	5,739,281	4/14/1998	Thogersen et al.			
	AG	5,750,373	5/12/1998	Garrard et al.			
	AH	5,780,279	7/14/1998	Matthews et al.			
	AI	5,814,476	9/29/1998	Kauffman et al.			
	AJ	5,817,483	10/6/1998	Kauffman et al.			
	AK	5,821,047	10/13/1998	Garrard et al.			
	AL	5,824,514	10/20/1998	Kauffman et al.			
	AM	5,830,663	11/3/1998	Embleton et al.			
	AN	5,837,242	11/17/1998	Holliger et al.			
	AO	5,840,479	11/24/1998	Little et al.			
	AP	5,846,765	12/8/1998	Matthews et al.			
	AQ	5,858,657	1/12/1999	Winter et al.			
	AR	5,871,907	2/16/1999	Winter et al.			
	AS	5,872,215	2/16/1999	Osbourne et al.			
	AT	5,885,793	3/23/1999	Griffiths et al.			
	AU	5,917,018	6/29/1999	Thogersen et al.			
	AV	5,962,255	10/5/1999	Griffiths et al.			
	AW	5,969,108	10/19/1999	McCafferty et al.			
	AX	5,976,862	11/2/1999	Kauffman et al.			
	AY	5,994,519	11/30/1999	Osbourne et al.			
	AZ	6,010,884	1/4/2000	Griffiths et al.			
	AAA	6,017,732	1/25/2000	Jespers et al.			

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	ABB	6,040,136	3/21/2000	Gerrard et al.			
	ACC	6,057,098	5/2/2000	Buechler et al.			
	ADD	6,140,471	10/31/2000	Johnson et al.			
	AEE	6,172,197	1/9/2001	McCafferty et al.			
	AFF	6,180,336	1/30/2001	Osborn et al.			
	AGG	6,225,447	5/1/2001	Winter et al.			
	AHH	6,248,516	6/19/2001	Winter et al.			
	AII	6,291,158	9/18/2001	Winter et al.			
	AJJ	6,291,159	9/18/2001	Winter et al.			
	AKK	6,291,160	9/18/2001	Lerner et al.			
	ALL	6,291,161	9/18/2001	Lerner et al.			
	AMM	6,291,650	9/18/2001	Winter et al.			
	ANN	6,300,064	10/9/2001	Knappik et al.			
	AOO	6,319,690	11/20/2001	Little et al.			
	APP	US2002/0004215	1/10/2002	Osborn et al.			
	AQQ	6,342,588	1/29/2002	Osborn et al.			
	ARR	6,420,113	7/16/2002	Buechler et al.			
	ASS	6,489,123	12/3/2002	Osborn et al.			
	ATT	6,492,107	12/10/2002	Kauffman et al.			
	AUU	6,492,123	12/10/2002	Holliger et al.			
	AVV	6,492,160	12/10/2002	Griffiths et al.			
	AWW	6,521,404	2/18/2003	Griffiths et al.			
	AXX	6,544,731	4/8/2003	Griffiths et al.			
	AYY	6,545,142	4/8/2003	Winter et al.			
	AZZ	6,555,313	4/29/2003	Griffiths et al.			
	AAAA	6,569,641	5/27/2003	Kauffman et al.			
	ABBB	US2003/0114659	6/19/2003	Winter et al.			

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U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	ACCC	6,582,915	6/24/2003	Griffiths et al.			
	ADDD	6,589,527	7/8/2003	Griffiths et al.			
	AEEE	US2003/0130496	7/10/2003	Winter et al.			
	AFFF	6,593,081	7/15/2003	Griffiths et al.			
	AGGG	US2003/0148372	8/7/2003	Tomlinson et al.			
	AHHH	US2003/0190674	10/9/2003	Griffiths et al.			
	AIHH	6,680,192	1/20/2004	Lerner et al.			
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	ALLL	US2004/0038921	2/26/2004	Kreutzer et al.			
	AMMM	6,706,484	3/16/2004	Knappik et al.			
	ANNN	US2004/0110941	6/10/2004	Winter et al.			
	AOOO	6,753,136	6/22/2004	Lohning			
	APPP	US2004/0157214	8/12/2004	McCafferty et al.			
	AQQQ	US2004/0157215	8/12/2004	McCafferty et al.			
	ARRR	6,806,079	10/19/2004	McCafferty et al.			
	ASSS	6,828,422	12/7/2004	Achim et al.			
	ATTT	6,846,634	1/25/2005	Tomilson et al.			
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	AVVV	US2005/0202512	9/15/2005	Tomlinson et al.			
	AWWW	6,969,586	11/29/2005	Lerner et al.			
	AXXX	US2006/0003334	1/5/2006	Achim et al.			
	AYYY	US2006/0019260	1/26/2006	Lerner et al.			
	AZZZ	7,063,943	6/20/2006	McCafferty et al.			
	AAAAA	7,189,841	3/13/2007	Lerner et al.			

Foreign Patent Documents or Published Foreign Patent Applications							
Examiner	Desig.	Document	Publication	Country or	Class	Subclass	Translation
Examiner Signature				Date Considered			
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							Yes	No
	ABBBB							
	ACCCC							

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	ADDDD	Arden, "Conserved motifs in T-cell receptor CDR1 and CDR2: implications for ligand and CD8 co-receptor binding" Current Opinion In Immunology, Current Biology LTD., 10(1):74-81, 1998, XP004313624.
	AEEEE	Barbas et al., "Human Autoantibody Recognition of DNA" Proc. Natl. Acad. Sci. 92:2529-2533, 1995, XP002927212.
	AFFFF	Davies et al., "Affinity improvement of single antibody VH domains: residues in all three hypervariable regions affect antigen binding", Immunotechnology 2(3):169-179, 1996, XP004070292.
	AGGGG	de Haard et al., "A Large Non-immunized Human Fab Fragment Phage Library That Permits Rapid Isolation and Kinetic Analysis of High Affinity Antibodies" Journal of Biological Chemistry, 274(26):18218-18230, 1999, XP002128301.
	AHHHH	Hoogenboom et al., "By-passing Immunisation Human Antibodies from Synthetic Repertoires of Germline V _H Gene Segments Rearranged <i>in Vitro</i> " Journal of Molecular Biology, 227:381-388, 1992, XP002974448.
	AIIII	Knappik et al., "Fully Synthetic Human Combinatorial Antibody Libraries (HuCAL) Based on Modular Consensus Frameworks and CDRs Randomized with Trinucleotides" J. Mol. Biol., 296:57-86, 2000.
	AJJJJ	Solderlind et al., "The Immune Diversity in a Test Tube – Non-Immunised Antibody Libraries and Functional Variability in Defined Protein Scaffolds" Combinatorial Chemistry & High Throughput Screening, 4:409-416, 2001.
	AKKKK	Tomlinson et al., "The Repertoire of Human Germline V _H Sequences Reveals about Fifty Groups of V _H Segments with Different Hypervariable Loops, Journal of Molecular Biology, 227:776-798, 1992, XP000990787.

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